

## WHAT IS CLAIMED IS:

1. A sensor storage solution comprising a compound containing a heterocycle having nitrogen and sulfur heteroatoms.  
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2. The sensor storage solution as claimed in claim 1, wherein the compound is selected from the group consisting of thiazole, thiazoline, isothiazole, isothiazoline, thiazine and their derivatives.  
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3. The sensor storage solution as claimed in claim 1, wherein the compound comprises oxo directly bound to the heterocycle.  
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4. The sensor storage solution as claimed in claim 1, wherein the compound comprises halogen directly bound to the heterocycle.
- 20 5. A sensor calibration solution comprising a compound containing a heterocycle having nitrogen and sulfur heteroatoms.
6. The sensor calibration solution as claimed in claim 5,  
25 wherein the compound is selected from the group consisting of thiazole, thiazoline, isothiazole,

isothiazoline, thiazine and their derivatives.

7. The sensor calibration solution as claimed in claim 5,

5 wherein the compound comprises oxo directly bound to the heterocycle.

8. The sensor calibration solution as claimed in claim 5,

10 wherein the compound comprises halogen directly bound to the heterocycle

9. A sensor comprising:

a substrate;

15 an electrode formed on the substrate; and

a coating covering the electrode,

wherein the coating comprises a compound containing a heterocycle having nitrogen and sulfur heteroatoms.

20 10. The sensor as claimed in claim 9,

wherein the coating has a multilayer structure comprising one or more organic layers.

11. The sensor as claimed in claim 9,

25 wherein the coating comprises an enzyme.

12. The sensor as claimed in claim 9,

wherein the compound is selected from the group consisting of thiazole, thiazoline, isothiazole, isothiazoline, thiazine and their derivatives.

5 13. The sensor as claimed in claim 9,

wherein the compound comprises oxo directly bound to the heterocycle.

14. The sensor as claimed in claim 9,

10 wherein the compound comprises halogen directly bound to the heterocycle.